App No.: NEW Docket No.: 0020-5518PUS1

Inventor: Yasuhisa SAKURAI et al.

Title: METHOD FOR AUTOMATICALLY DETECTING DEGENERATED REGIONS IN STAINED THIN SECTION,

NEW SHEET

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Fig.

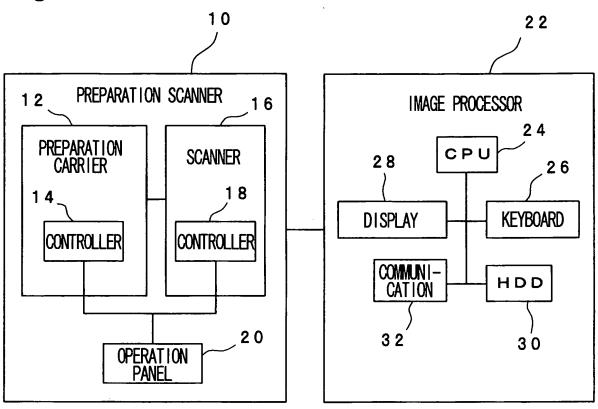
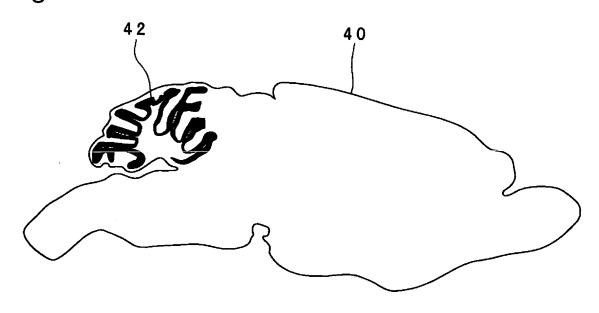


Fig. 2



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Fig. 3

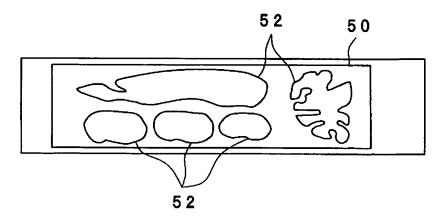
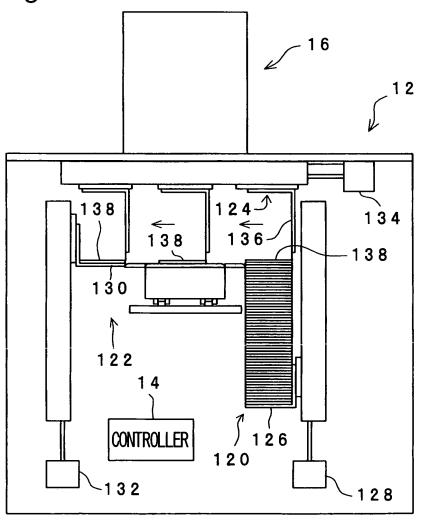


Fig. 4



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etc.

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Fig. 5

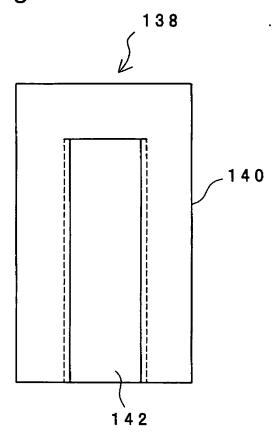
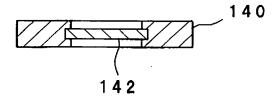
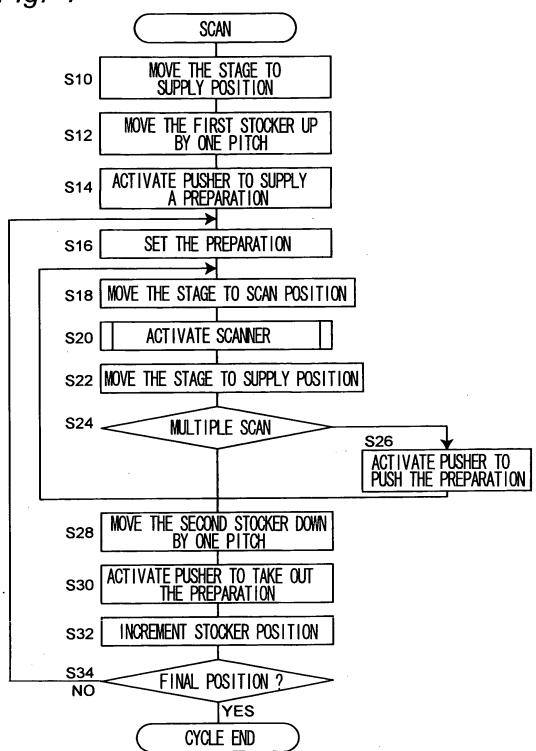


Fig. 6



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Fig. 7

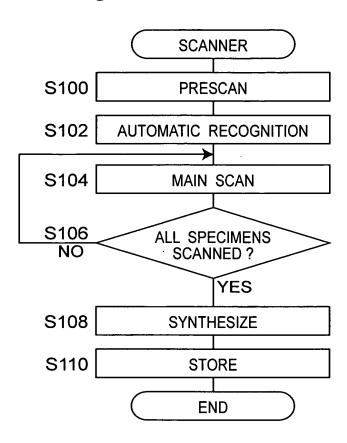


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Fig.8



App No.: NEW Docket No.: 0020-5518PUS1 Inventor: Yasuhisa SAKURAI et al. Title: METHOD FOR AUTOMATICALLY DETECTING DEGENERATED REGIONS IN STAINED THIN SECTION, etc. **NEW SHEET** Sheet 6 of 6 Fig.9 **IMAGE CAPTURE** ACQUIRE IMAGE OF DEVICE > S200 STANDARD SPECIMEN (SCANNER, CAMERA, DESIGNATE COLOR COLOR AREA STORAGE DEVICE INFORMATION OF A INFORMATION OF S202 AND THE LIKE) DEGENERATED OR THE DEGENERATED COLOR-CHANGING REGION OR COLOR-CHANGING REGION EXTRACT THE DEGENERATED OR COLOR S204 -CHANGING REGION AND CALCULATE ITS SCORE POSITION AND SHAPE OF THE DESIGNATE A REGION NON-DEGENERATED WITH NO DEGENERATION S206 REGION OF THE AND WITH NO COLOR STANDARD CHANGE SPECIMEN IMAGE CAPTURE ACQUIRE IMAGE OF DEVICE _ S208 COLOR INFORMATION A SPECIMEN (SCANNER. OF THE CAMERA. NON-DEGENERATED STORAGE DEVICE REGION IN THE MODE FOR AND THE LIKE) STANDARD S210 DESIGNATING A **SPECIMEN** NON-DEGENARATED MANUAL REGION POSITION AND AUTOMATIC SHAPE OF THE MANUAL NON-DEGENERATED AUTOMATIC DESIGNATION S212 **DESIGNATION** SITE OF THE WITH MATCHING STANDARD SPECIMEN CALCULATE A COLOR **COLOR INFORMATION** S216 CORRECTION QUANTITY WITH COLOR COMPARISON OF THE NON-DEGENERATED SITE IN THE CORRECT THE COLOR OF S218 STANDARD THE SPECIMEN IMAGE SPECIMEN EXTRACT A DEGENERATED OR COLOR-CHANGING S220 COLOR AREA REGION OF THE INFORMATION OF SPECIMEN IMAGE THE DEGENERATED OR COLOR-CALCULATE A SCORE OF S222 CHANGING REGION THE SPECIMEN IMAGE S224 ALL SPECIMENS PROCESSED? NO

YES

CYCLE END

S214